

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant: Choe et al. | : | |
| | : | Art Unit: 3694 |
| Serial No.: 10/065,772 | : | |
| | : | Examiner: D. L. Greene |
| Filed: November 18, 2002 | : | |
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| For: APPARATUS AND METHODS FOR | : | |
| OPTIMIZING REACTOR CORE | : | |
| COOLANT FLOW DISTRIBUTION | : | |

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

In response to the Office Action dated April 3, 2007, please amend the above-identified patent application as follows.